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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of

Ranjan RAY

Serial No.: 10/782,927

Filed: February 23, 2004

For: FINE GRAINED SPUTTERING TARGETS OF COBALT AND NICKEL BASE ALLOYS
MADE VIA CASTING IN METAL MOLDS FOLLOWED BY HOT FORGING AND
ANNEALING AND METHODS OF MAKING SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rules 56 and 98, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449.

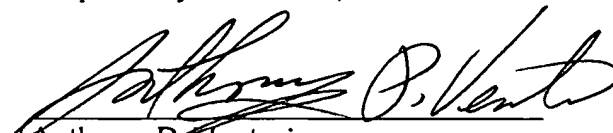
Applicants present these references so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rule 104. Applicants respectfully request that these references be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

Date:

May 18, 2004

By:

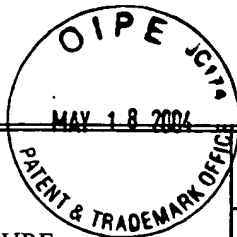

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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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APV31670SERIAL NO.
10/782,927APPLICANT
Ranjan RAYFILING DATE
February 23, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		US Published Patent Application No. 2004/0060685A1, (Ser. No. 10/674,435), RAY et al., filed October 1, 2003, published April 1, 2004
		US Published Patent Application No. 2004/0055725A1, (Ser. No. 10/448,116), RAY et al., filed May 30, 2003, published March 25, 2004
		US Published Patent Application No. 2004/0040690A1, (Ser. No. 10/443,807), RAY et al., filed May 23, 2003, published March 4, 2004
		US Patent Application Serial No. 10/838,266, RAY et al., filed May 5, 2004

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INFORMATION DISCLOSURE
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Ranjan RAY

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3	9	5	4	5	1	4	05/76	Webster et al.			
		3	9	5	4	5	1	6	05/76	Hu			
		4	4	0	6	7	1	5	09/83	Nakayama et al.			
		4	5	1	1	4	0	9	04/85	Ferton et al.			
		4	6	0	9	4	0	8	09/86	Rodrigues et al.			
		4	7	2	1	5	3	7	01/88	Ghosh			
		4	7	5	3	6	9	2	06/88	Kuroki et al.			
		4	8	8	9	7	7	2	12/89	Bergmann et al.			
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		4	9	6	1	8	3	2	10/90	Shagun et al.			
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		4	9	6	4	9	6	2	10/90	Nobutani et al.			
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		4	9	6	3	2	4	0	10/90	Fukasawa et al.			
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		6	4	9	4	9	9	9	12/02	Herrera et al.			
		6	5	8	5	8	7	0	07/03	Pitcher et al.			
		6	6	3	4	4	1	3	10/03	Ray et al.			

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